



"Wallin, Sharon"
<WallinSL@cdm.com>
11/20/2003 02:58 PM

To 'TomPerina' <tperina@ch2m.com>
cc 'EdModiano' <edm@demaximis.com>, 'ChuckMcLaughlin'
<cmclaugh@demaximis.com>, "Chamberlin, David"
<ChamberlinDC@cdm.com>, Christopher

bcc

Subject RE: OW8 test

Hi Tom - FYI, the pump installed in well OW8 was shut down this morning after approximately 20 hours of pumping. An approximate rate of 10.6 gpm was sustained during the test, with drawdown observed at all monitored wells. The pump and transducers will be removed tomorrow morning (Friday) starting at 7am.

Your e-mail below contains some misinformation that I would like to clarify. The aquifer testing program is being conducted by John Dustman (Summit Environmental Solutions) under subcontract to de maximis, with CDM and de maximis staff providing field support. Summit was selected as a subcontractor for the project because it has developed proprietary software that provides real-time analysis and 3-dimensional presentations of the aquifer testing results. Prior to the start of aquifer testing, John Dustman was provided with and reviewed the prior well OW8 testing results. In addition, the demaximis staff on site during aquifer testing were also involved with the prior testing at OW8.

The November 11, 2003 memorandum from CDM to USEPA indicated that step-drawdown testing would be performed prior to initiating the 12-hour constant rate test, in order to determine an appropriate pumping rate. According to John Dustman, it is likely that well OW8 could have sustained a higher pumping rate (on the order of 15 gpm), had the testing been completed with the original pump. The replacement pump was longer than the original pump and reduced the amount of available drawdown. The pumping portion of the test was subsequently extended to approximately 20 hours.

Regards, Sharon Wallin

-----Original Message-----

From: Tom.Perina@ch2m.com [mailto:Tom.Perina@ch2m.com]
Sent: Wednesday, November 19, 2003 11:31 AM
To: Wallin, Sharon
Cc: lichens.christopher@epa.gov; Dan.Jablonski@ch2m.com
Subject: OW8 test

Hello, Chris,

Dan was at the Omega site yesterday and today for the OW-8 pumping test CDM is conducting. He noted that CDM started the pumping at 22 gpm and had to stop because the water level in the pumping well was dropping close to the pump (the drawdown was about 6 ft). The next pumping rate used yesterday, before the pump malfunctioned, was 16 gpm. I want to note that during the previous pumping test on well OW-8, CDM used a rate of 10.4 gpm; the drawdown was 2.9 ft after 4 hours and still increasing. The well may not sustain a rate much higher than 10 gpm for the planned test duration of 15 hours. It seemed that the field crew did not have this information on hand. They just called that the test will restart in about 2 hours, we will call them with this info to help set a sustainable rate.

Regards,

Tom Perina, Ph.D., R.G., C.H.G.

CH2M HILL
164 W Hospitality Lane, Suite 2
San Bernardino, CA 92408
direct 909-890-9857
fax 714-424-2204
tperina@ch2m.com